

FIG.1

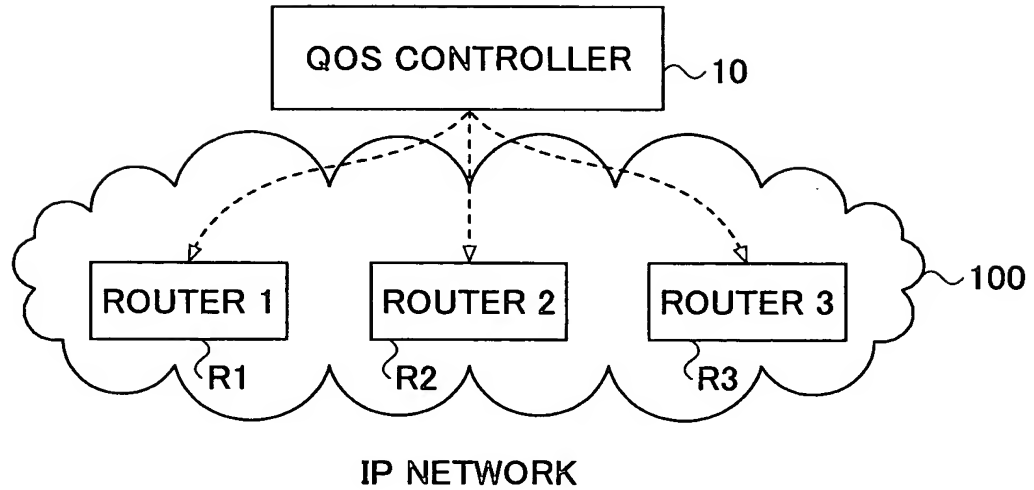


FIG.2

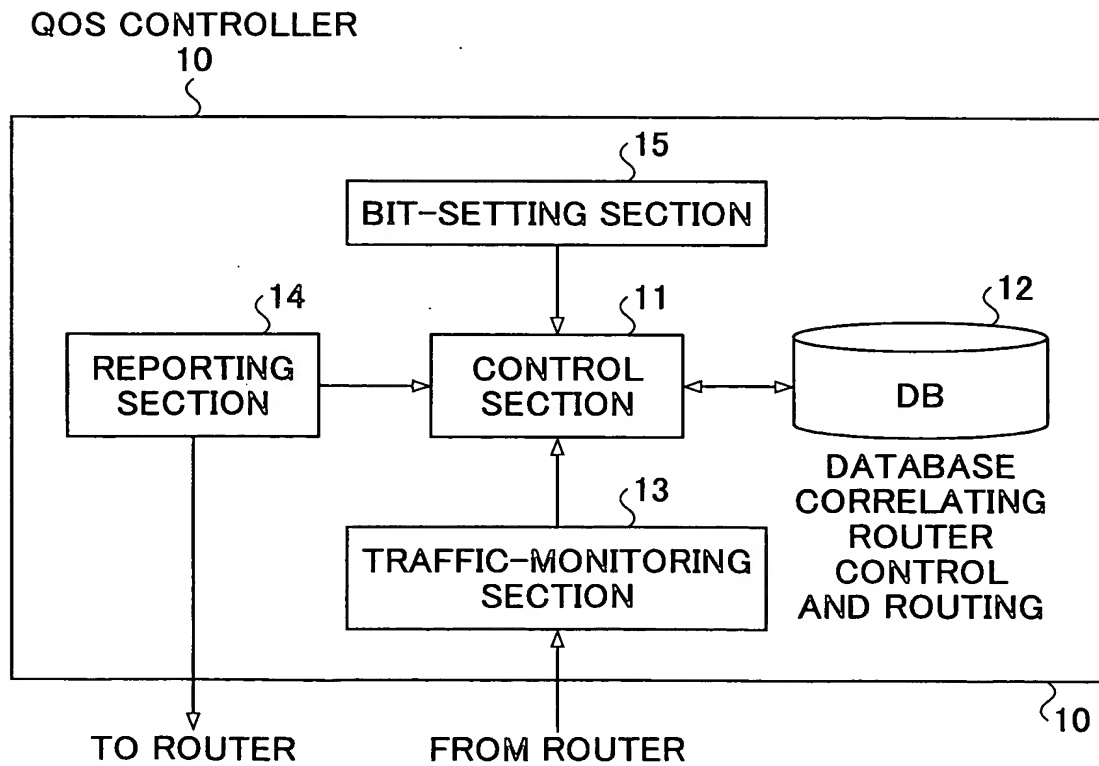


FIG.3

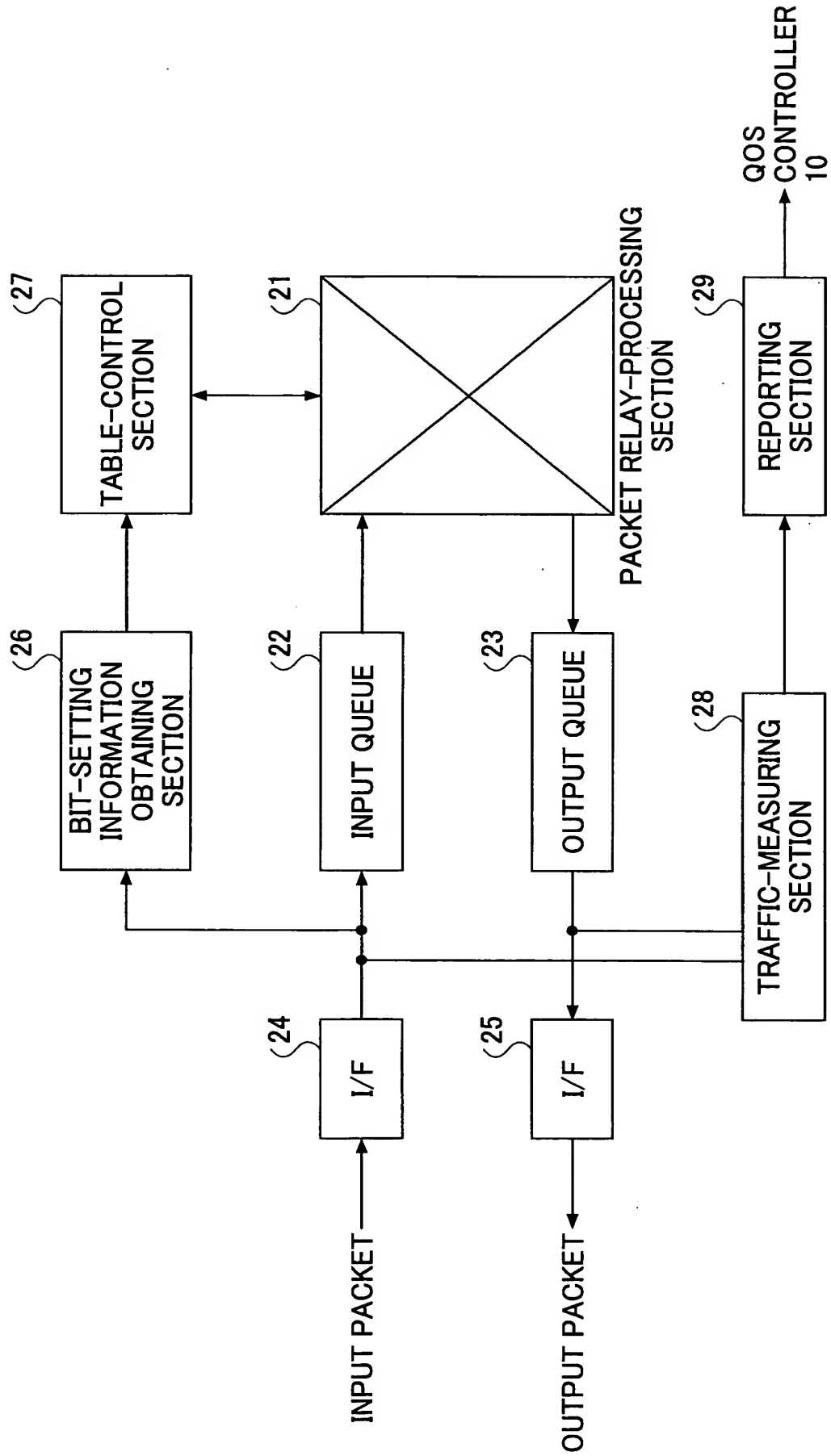


FIG.4

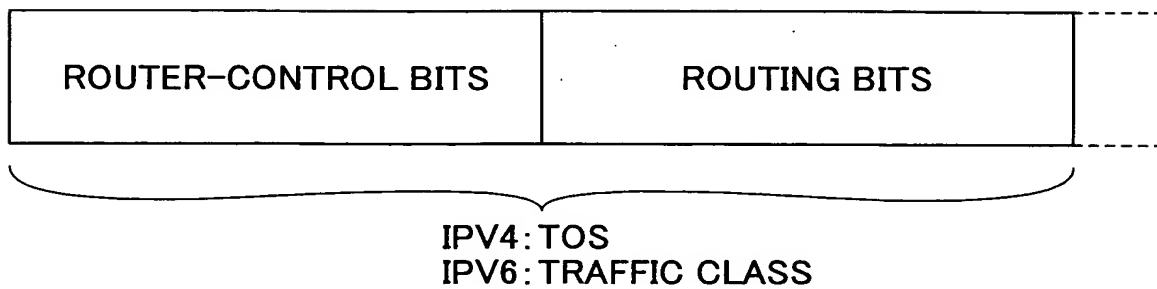


FIG.5

ROUTER-CONTROL TABLE	
ROUTER-CONTROL BITS	QUEUE
Class_a	Q1(PRIORITY:HIGH DISCARDING RATE:LOW)
Class_b	Q2(PRIORITY:HIGH DISCARDING RATE:LOW)
Class_c	Q3(PRIORITY:LOW DISCARDING RATE:LOW)
Class_d	Q4(PRIORITY:LOW DISCARDING RATE:HIG)

MULTI-PATH ROUTING TABLE			
DESTINATION	ROUTING BITS	NEXT ROUTER	
Dst	Routing_1	R4	
	Routing_2	R2	

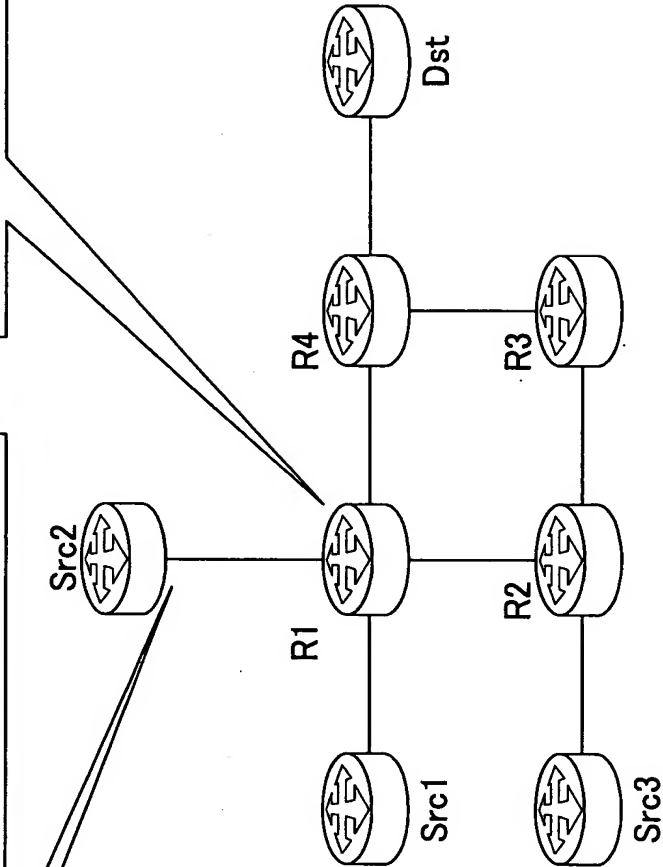


FIG.6

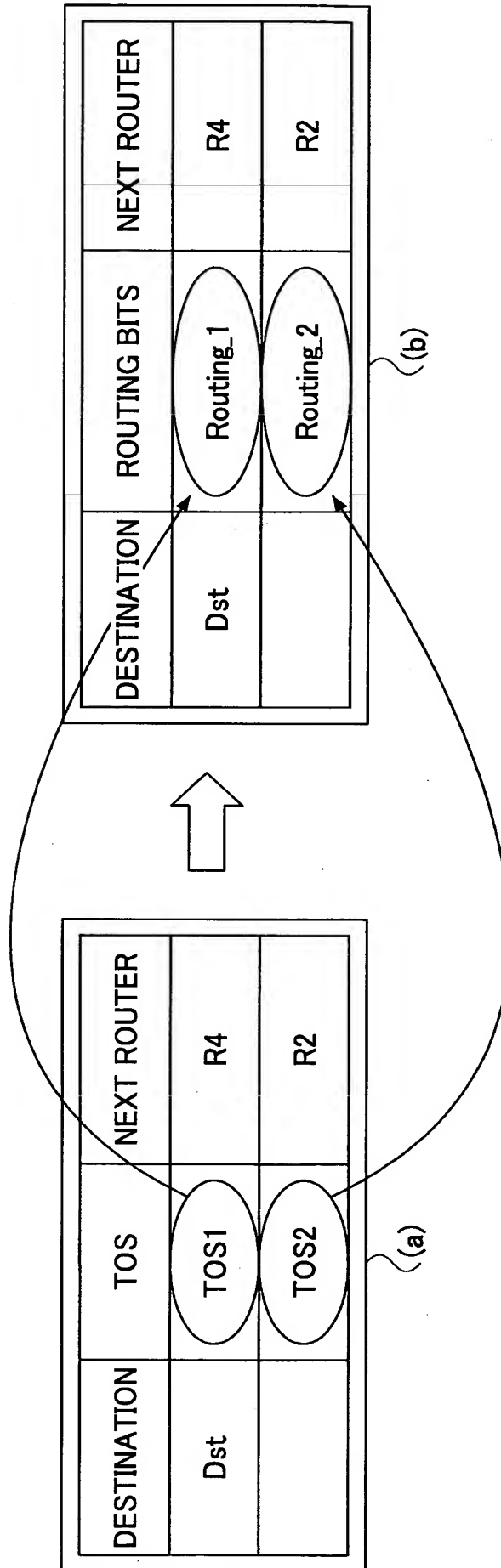


FIG.7

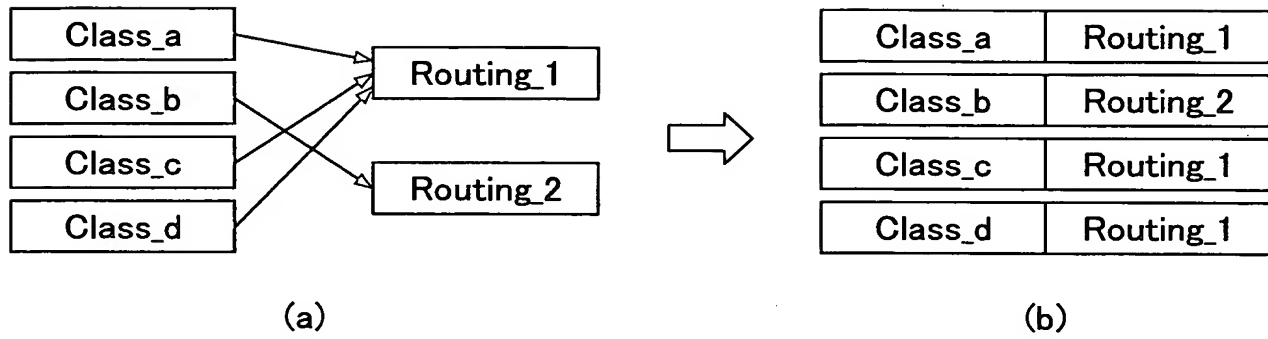


FIG.8

TRAFFIC TYPE	ROUTER-CONTROL CLASS	MULTI-PATH ROUTING CLASS
Traffic_a	Class_a	Routing_1
Traffic_b	Class_b	Routing_2
Traffic_c	Class_c	Routing_1
Traffic_d	Class_d	Routing_1

FIG.9

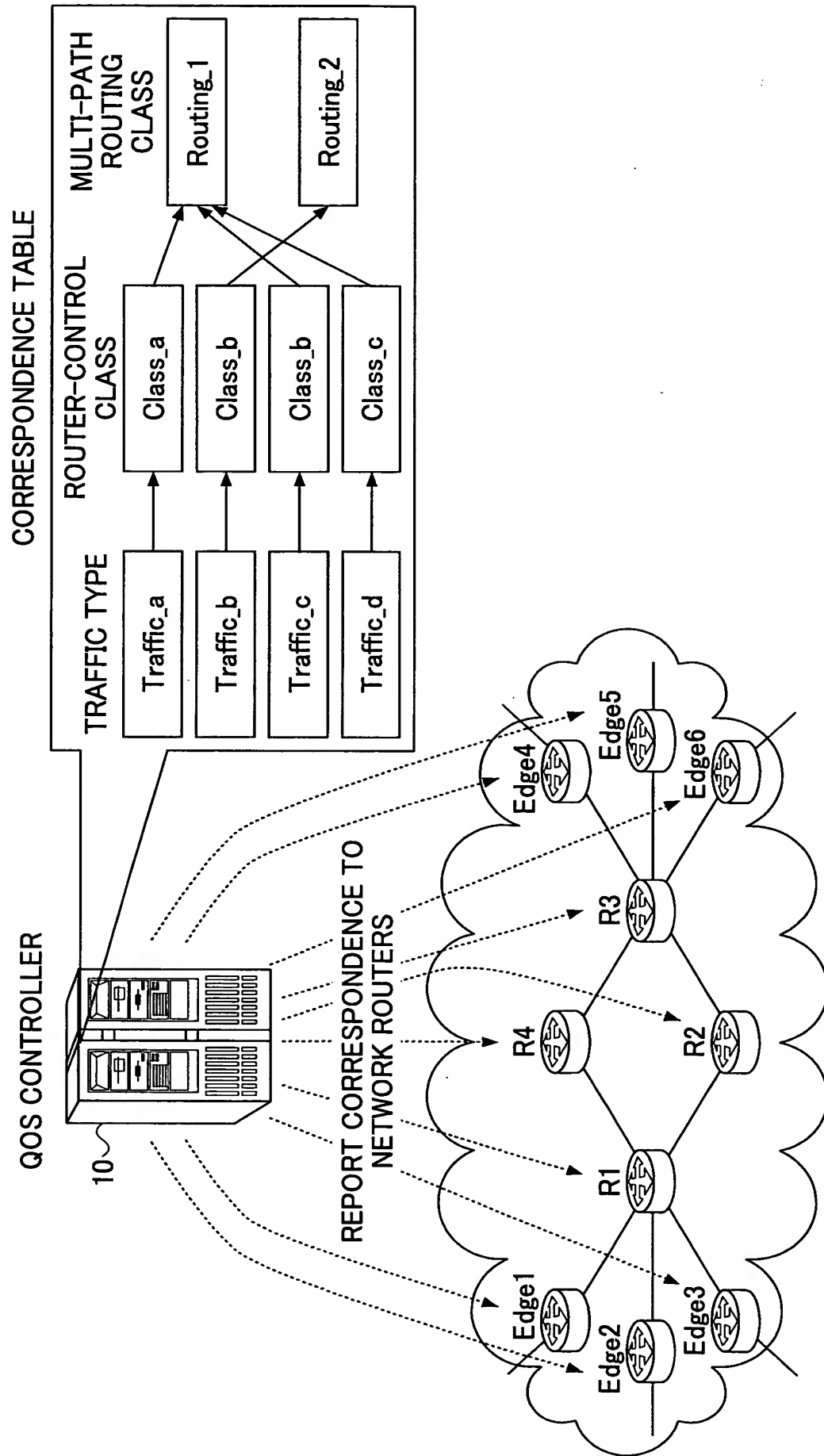
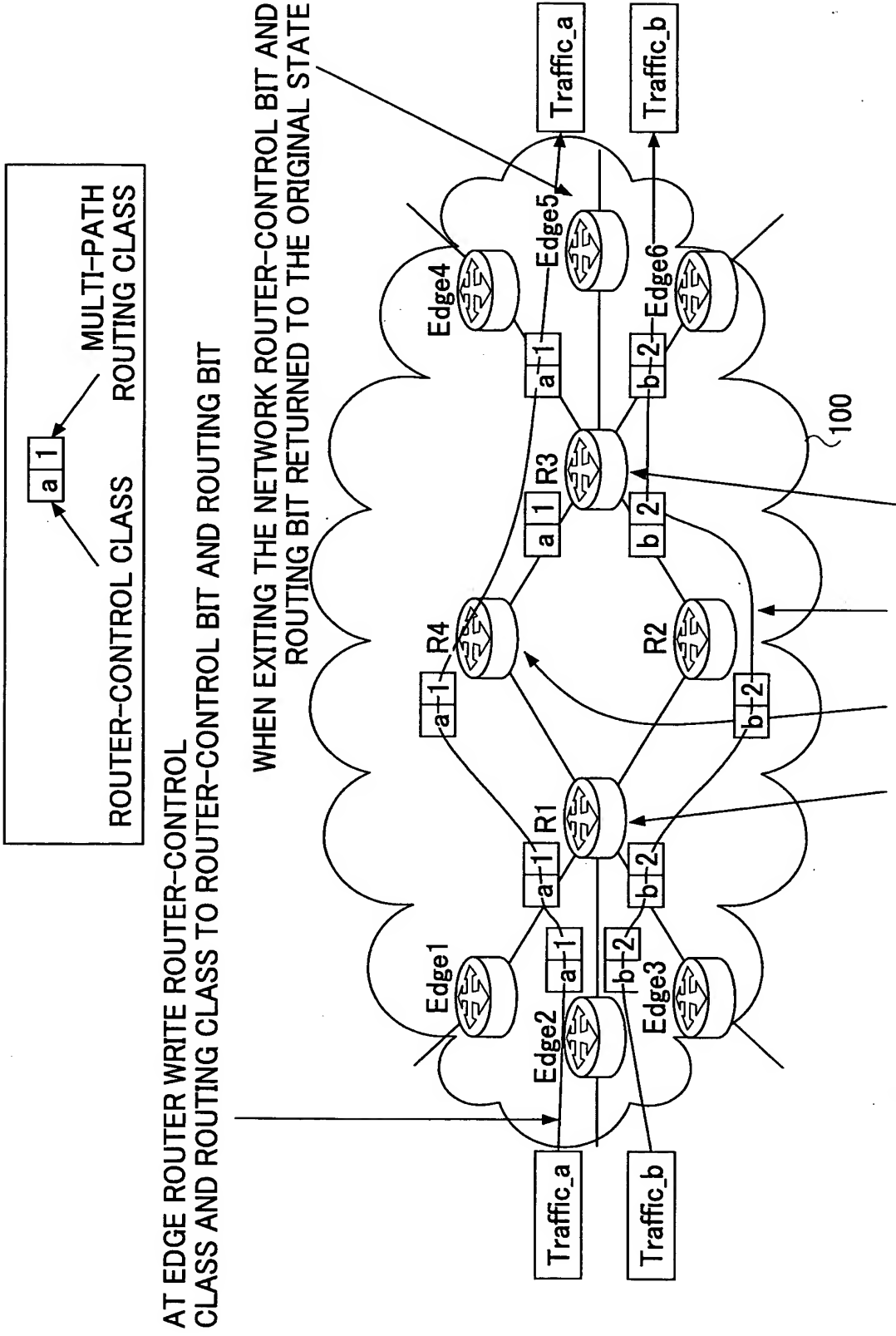


FIG.10



INTERNAL ROUTER TO PERFORM ROUTER CONTROL AND ROUTING  
ACCORDING TO ROUTER-CONTROL BIT AND ROUTING BIT



FIG.11

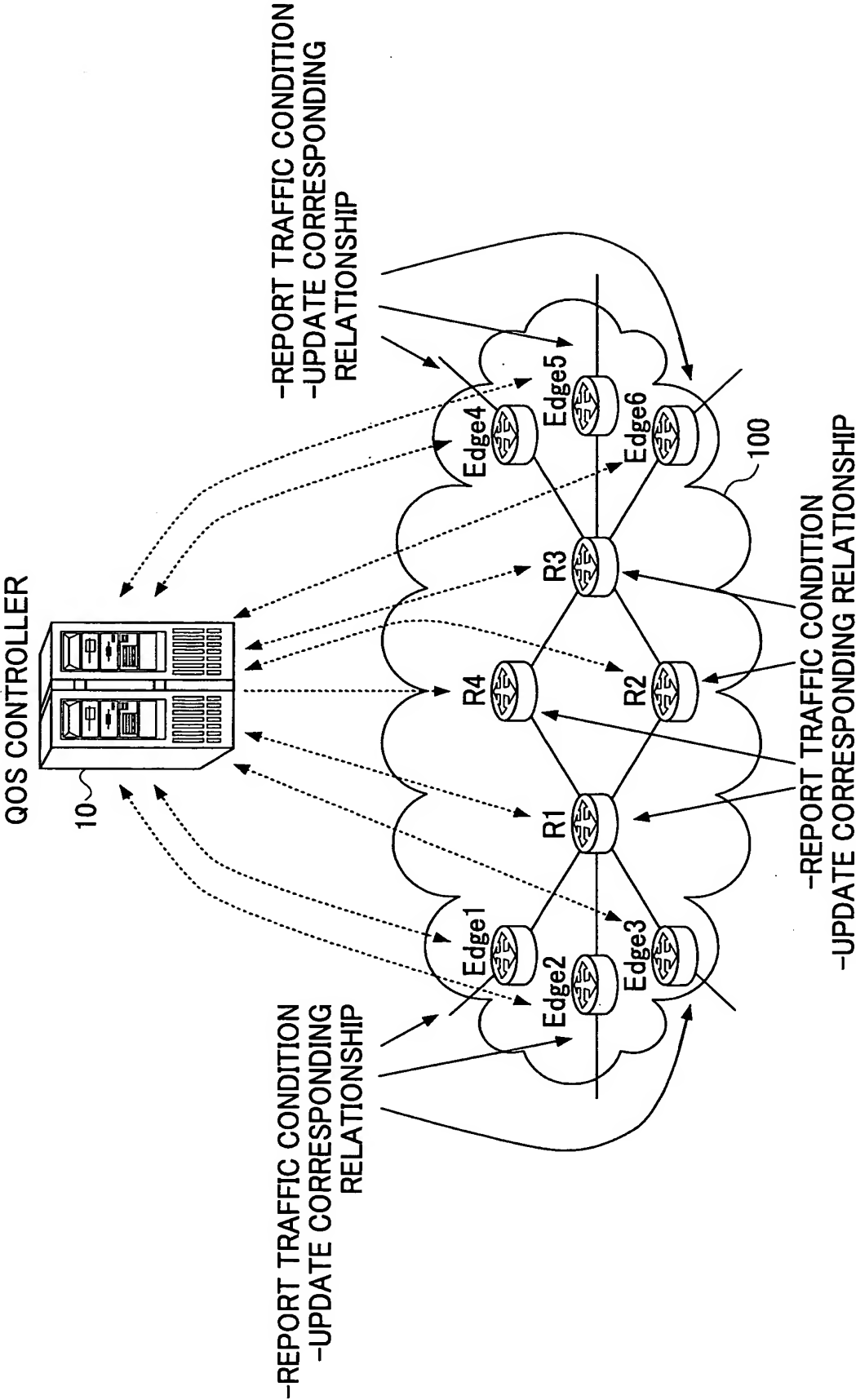


FIG.12

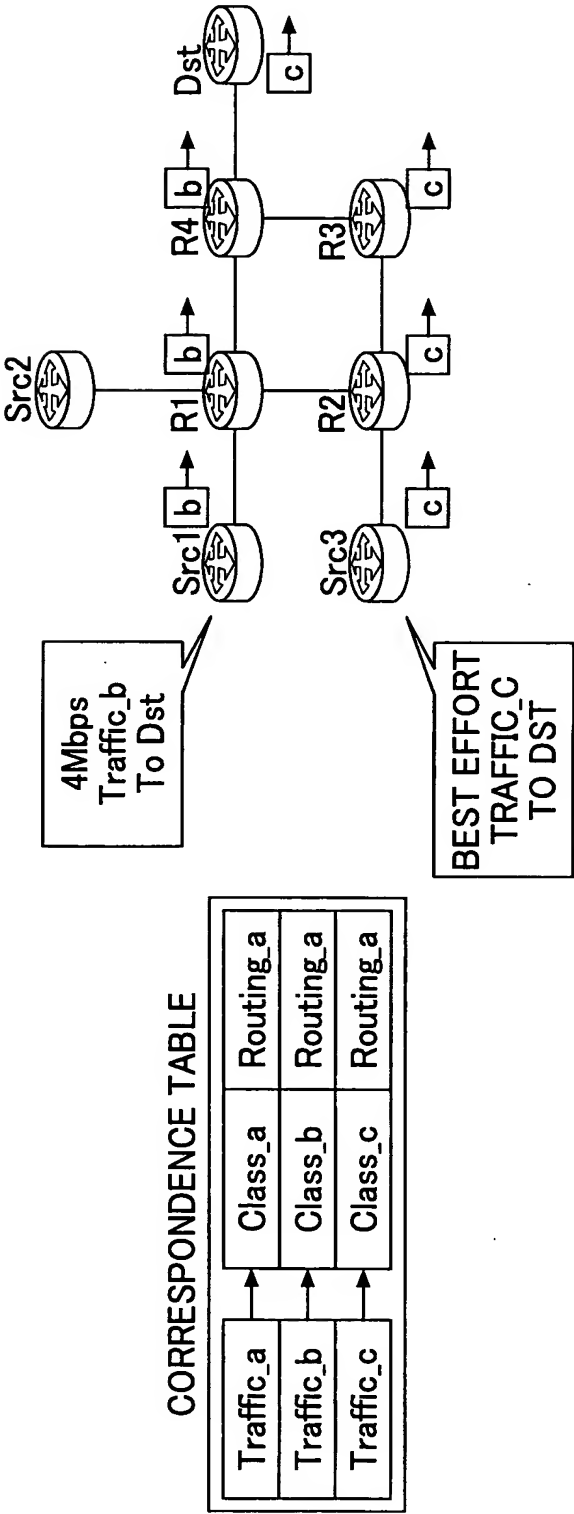


FIG.13

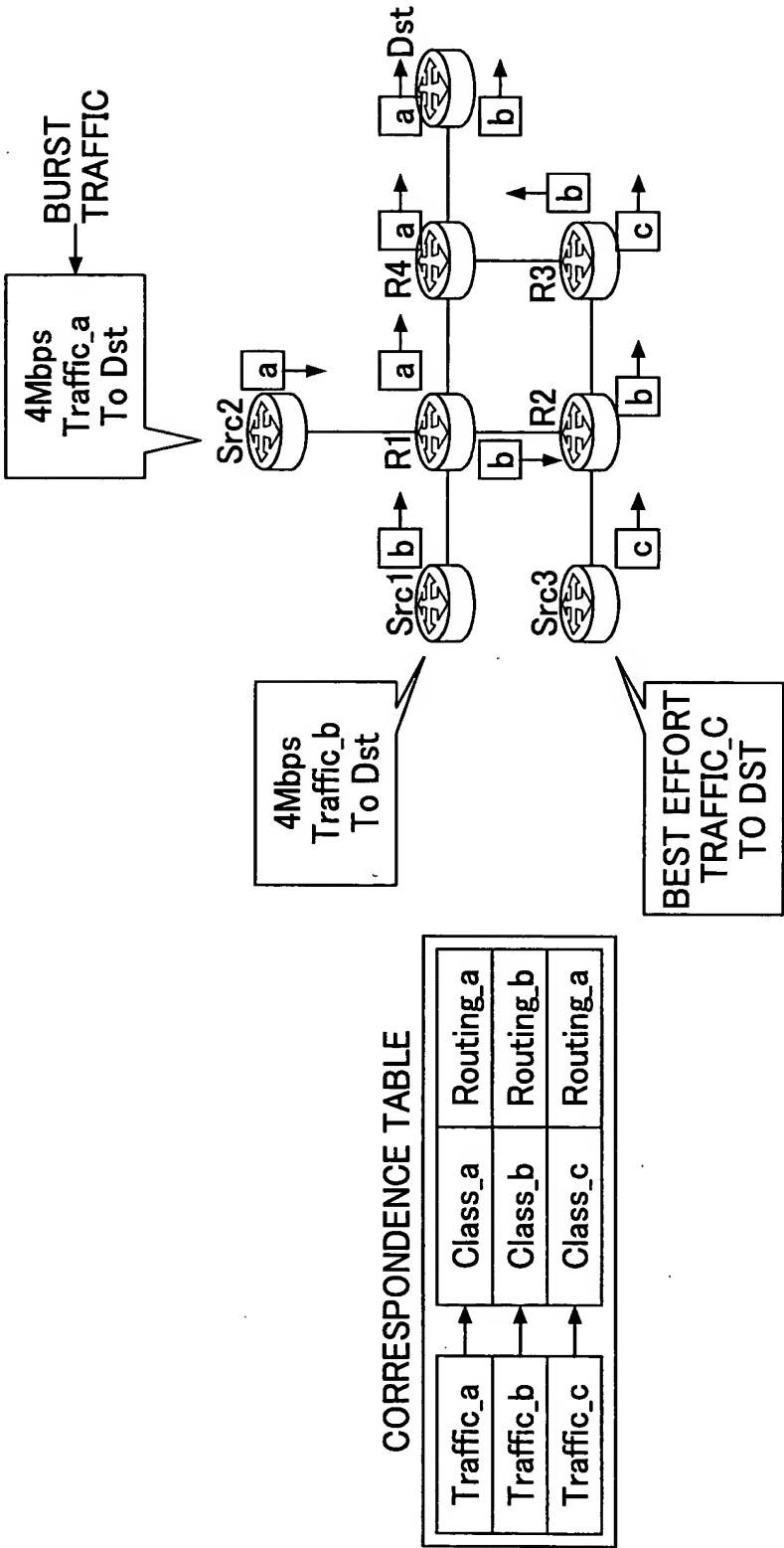


FIG.14

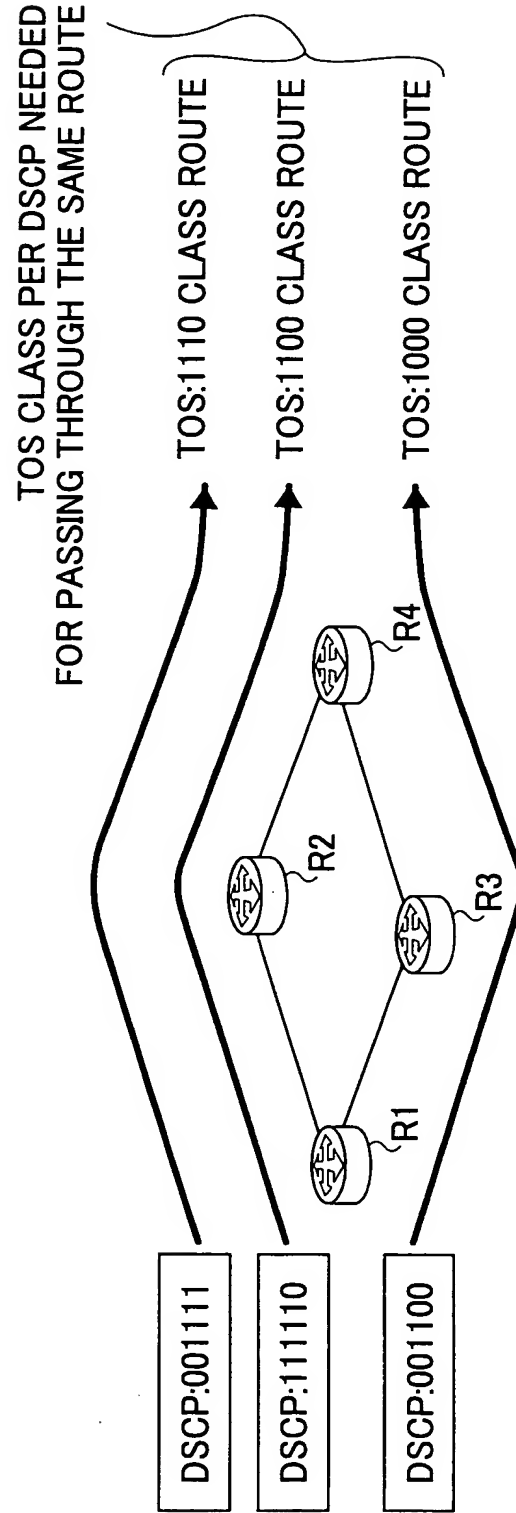


FIG.15A

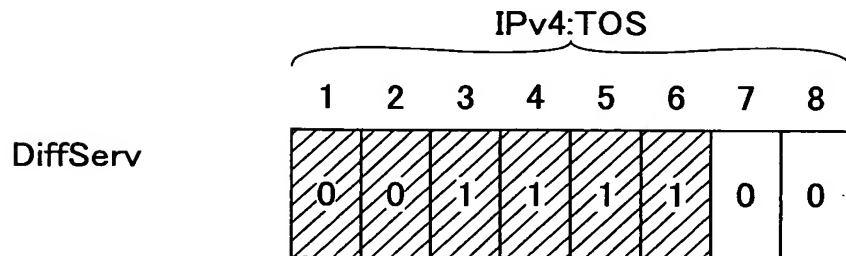


FIG.15B

